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and hardening can lead to thermal damage. Causes of
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Scientific - Physics, acoustics, sound, atmosphere
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CIA 869667

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[1963] 23p. 35 refs.
Order from SLA \$2.60

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Partial trans. (p. 233-241, 248-252) of Annalen der
Physik (East Germany) 1954 [ser. 6] v. 14 [no. 6]
p. 233-252.

DESCRIPTORS: *Selenium, *Electrical conductance,
Temperature, Semiconductors, Impurities, Bromine,
Solids, Liquids, Vacuum apparatus, Crystal structure.

The dependence of conductivity on temperature of solid
and liquid selenium is essentially determined by the
purity of the selenium and is substantially influenced
by the introduction of oxygen in the case of highly purified
selenium. An E-value of 2.2-2.9 ev. was measured
from a very reproducible $\log \sigma - 1/T$ straight line
(Physics--Solid State, TT, v. 10, no. 2) (over)

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